

**IN THE CLAIMS:**

This listing of claims will replace all prior versions and listings of the claims in the application:

1. (Original) A method of operating a plurality of wireless networks, comprising:  
  
transmitting first signals in a first network at a first carrier frequency;  
  
transmitting second signals in a second network at a second carrier frequency, the second carrier frequency being different from the first carrier frequency,  
  
wherein the first carrier frequency is offset from a base carrier frequency by an amount equal to  $n$  times an offset frequency,  
  
wherein the second carrier frequency is offset from the base carrier frequency by an amount equal to  $m$  times the offset frequency,  
  
wherein  $n$  is an integer,  $m$  is an integer, and  $m$  does not equal  $n$ .
2. (Original) A method of operating a plurality of wireless networks, as recited in claim 1, wherein  $n$  is 1 and  $m$  is -1
3. (Original) A method of operating a plurality of wireless networks, as recited in claim 1, wherein the base carrier frequency is between 2 and 9 GHz.
4. (Original) A method of operating a plurality of wireless networks, as recited in claim 3, wherein the base carrier frequency is between 3.5 and 4.5 GHz.
5. (Original) A method of operating a plurality of wireless networks, as recited in claim 4, wherein the base carrier frequency is about 4.104 GHz.

6. (Original) A method of operating a plurality of wireless networks, as recited in claim 3, wherein the base carrier frequency is between 7.5 and 8.5 GHz.

7. (Original) A method of operating a plurality of wireless networks, as recited in claim 4, wherein the base carrier frequency is about 8.208 GHz.

8. (Original) A method of operating a plurality of wireless networks, as recited in claim 3, wherein the offset frequency is between 1 and 10 MHz.

9. (Original) A method of operating a plurality of wireless networks, as recited in claim 8, wherein the offset frequency is about 3 MHz.

10. (Currently amended) A method of operating a plurality of wireless networks, as recited in claim 1, further comprising:

forming the first signals out of first pulses formed of  $p$  cycles of a first oscillating signal operating at a first oscillating frequency; and

forming the second signals out of second pulses formed of  $p$  cycles of a second oscillating signal operating at a second oscillating frequency,

wherein the first oscillating frequency is offset from a base oscillating frequency by an amount equal to  $\left[ \frac{n}{p} \right] \frac{n \cdot p}{p}$  times the offset frequency, and

wherein the second oscillating frequency is offset from a base oscillating frequency by an amount equal to  $\left[\frac{m}{p}\right] \frac{m \cdot p}{\text{---}}$  times the offset frequency.

11. (Original) A method of operating a plurality of wireless networks, as recited in claim 1, wherein  $p$  is 3.

12. (Original) A method of operating a plurality of wireless networks, as recited in claim 1, wherein the plurality of wireless networks are ultrawide bandwidth networks.

13. (Original) A method of operating a plurality of wireless networks, comprising:  
transmitting first through  $k^{\text{th}}$  signals in first through  $k^{\text{th}}$  networks at first through  $k^{\text{th}}$  carrier frequencies, respectively; and  
offsetting the  $i^{\text{th}}$  carrier frequency from a base carrier frequency by an amount equal to  $n_i$  times an offset frequency,

wherein  $k$  is an integer greater than 1,

wherein  $i$  varies from 1 to  $k$ , and

wherein none of  $n_1$  through  $n_i$  has the same integer value.

14. (Original) A method of operating a plurality of wireless networks, as recited in claim 13, wherein  $k$  is 4.

15. (Original) A method of operating a plurality of wireless networks, as recited in claim 14 wherein  $n_1$  is -2,  $n_2$  is -1,  $n_3$  is 1, and  $n_4$  is 2.

16. (Original) A method of operating a plurality of wireless networks, as recited in claim 13, wherein the base carrier frequency is between 2 and 9 GHz.

17. (Original) A method of operating a plurality of wireless networks, as recited in claim 16, wherein the base carrier frequency is between 3.5 and 4.5 GHz.

18. (Original) A method of operating a plurality of wireless networks, as recited in claim 17, wherein the base carrier frequency is about 4.104 GHz.

19. (Original) A method of operating a plurality of wireless networks, as recited in claim 16, wherein the base carrier frequency is between 7.5 and 8.5 GHz.

20. (Original) A method of operating a plurality of wireless networks, as recited in claim 19, wherein the base carrier frequency is about 8.208 GHz.

21. (Original) A method of operating a plurality of wireless networks, as recited in claim 16, wherein the offset frequency is between 1 and 10 MHz.

22. (Original) A method of operating a plurality of wireless networks, as recited in claim 21, wherein the offset frequency is about 3 MHz.

23. (Original) A method of operating a plurality of wireless networks, as recited in claim 13, wherein  $k$  is 3.

24. (Original) A method of operating a plurality of wireless networks, as recited in claim 13, wherein  $n_1$  is  $-1$ ,  $n_2$  is 0, and  $n_3$  is 1.

25. (Currently Amended) A method of operating a plurality of wireless networks, as recited in claim 13, further comprising:

forming the  $i^{\text{th}}$  signals out of pulses formed of  $p$  cycles of an  $i^{\text{th}}$  oscillating signal operating at an  $i^{\text{th}}$  oscillating frequency,

wherein the  $i^{\text{th}}$  oscillating frequency is offset from a base oscillating frequency by an amount equal to  $\left[ \frac{n_i}{p} \right] \underline{n_i \cdot p}$  times the offset frequency.

26. (Original) A method of operating a plurality of wireless networks, as recited in claim 13, wherein  $p$  is 3.

27. (Original) A method of operating a plurality of wireless networks, as recited in claim 13, wherein the plurality of wireless networks are ultrawide bandwidth networks.